Program

Information Systems

3979  |  144 Units of Credit

Overview

The Bachelor of Information Systems (BIS) degree is a highly prized qualification which provides students with information systems expertise and business skills. The program is intended to develop conceptual and practical skills. After an introductory first stage, students will learn about business systems analysis and design, data management, enterprise systems, business process management, big data business analytics, business systems infrastructure and security as well as mathematics, management accounting and commercial programming.

This three year degree is designed for students interested in the use and application of IS and IT commercial environment. It combines courses that assist students to learn about the technical environment of IS as well as develop an understanding of the business implications of these systems. Organisations are always looking for 'business savvy' IS graduates who understand the business and technical issues which surround and impact their information systems.

BIS graduates from this degree can target careers in areas such as: business systems analysis, information system development, communications networks analysis and development; IS security development; e-business systems development; business intelligence systems construction, business analytics and IS and IT architecture and infrastructure development and maintenance. The program includes courses from many disciplines including: Information Systems, Technology and Management, and other Commerce and Economics courses.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>UNSW Business School</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus</strong></td>
<td>Kensington</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Undergraduate</td>
</tr>
<tr>
<td><strong>Typical duration</strong></td>
<td>3 Years</td>
</tr>
<tr>
<td><strong>Delivery Mode</strong></td>
<td>Face-to-face</td>
</tr>
<tr>
<td><strong>Intake Period</strong></td>
<td>Term 1, Term 2, Term 3</td>
</tr>
<tr>
<td><strong>Academic Calendar</strong></td>
<td>3+ Calendar</td>
</tr>
<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>144</td>
</tr>
<tr>
<td><strong>Award type</strong></td>
<td>Bachelors Pass</td>
</tr>
<tr>
<td><strong>Award(s)</strong></td>
<td>Bachelor of Information Systems - BIS</td>
</tr>
<tr>
<td><strong>UAC Code</strong></td>
<td>424500</td>
</tr>
<tr>
<td><strong>CRICOS Code</strong></td>
<td>068782C</td>
</tr>
</tbody>
</table>
Learning Outcomes

1. Business knowledge: Students will make informed and effective selection and application of knowledge in a discipline or profession, in the contexts of local and global business.

2. Problem solving: Students will define and address business problems, and propose effective evidence-based solutions, through the application of rigorous analysis and critical thinking.

3. Business communication: Students will harness, manage and communicate business information effectively using multiple forms of communication across different channels.

4. Teamwork: Students will interact and collaborate effectively with others to achieve a common business purpose or fulfil a common business project, and reflect critically on the process and the outcomes.

5. Responsible business practice: Students will develop and be committed to responsible business thinking and approaches, which are underpinned by ethical professional practice and sustainability considerations.

6. Global and cultural competence: Students will be aware of business systems in the wider world and actively committed to recognise and respect the cultural norms, beliefs and values of others, and will apply this knowledge to interact, communicate and work effectively in diverse environments.

7. Leadership development: Students will develop the capacity to take initiative, encourage forward thinking and bring about innovation, while effectively influencing others to achieve desired results.

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Program Structure

Students must complete 144 UOC as a standalone program.

Bachelor of Information Systems degree normally consists of 144 UOC.

These UOC are made up of:

1. Business Core Courses (24 UOC)
2. Information Systems Core Courses (72 UOC)
3. Level 2 and 3 Prescribed Information Systems Electives (12 UOC)
4. Free Electives (24 UOC)
5. General Education (12 UOC)

Please see Progression Plan

Information Systems core courses

Students must take 72 UOC of the following courses.

INFS1602 | 6 UOC
Digital Transformation in Business

INFS1603 | 6 UOC
Introduction to Business Databases

INFS1609 | 6 UOC
Fundamentals of Business Programming

INFS2603 | 6 UOC
Business Analysis

INFS2605 | 6 UOC
Intermediate Business Programming

INFS2608 | 6 UOC
Database Management & Big Data Infrastructures

INFS2621 | 6 UOC
Enterprise Systems

INFS3603 | 6 UOC
Introduction to Business Analytics

INFS3604 | 6 UOC
Business Process Management

INFS3605 | 6 UOC
Information Systems Innovation & Transformation

INFS3617 | 6 UOC
Networking & Cyber Security

INFS3634 | 6 UOC
Mobile Applications Development

**Business Core Courses**

Students must take 24 UOC of the following courses.

**ACCT1501** | 6 UOC
Accounting and Financial Management 1A

**MGMT1001** | 6 UOC
Managing Organisations and People

One of the following:

**ECON1203** | 6 UOC
Business and Economic Statistics

**MATH1041** | 6 UOC
Statistics for Life and Social Sciences

One of the following:

**ACCT1511** | 6 UOC
Accounting and Financial Management 1B
ECON1101  |  6 UOC
Microeconomics 1

**Level 2 and 3 Prescribed Electives**

Students must take at least 12 UOC of the following courses.

**INFS2631  |  6 UOC**
Innovation and Technology Management

**INFS3020  |  6 UOC**
International Information Systems and Technology Practicum

**INFS3632  |  6 UOC**
Service and Quality Management

**INFS3830  |  6 UOC**
Social Media and Analytics

**INFS3873  |  6 UOC**
Business Analytics Methods

**Free Electives**

Students must complete 24 UOC of Free electives. These courses can be offered by any faculty but cannot be GEN coded.

**General Education**

Students must complete 12 UOC of General Education.

Please note: Students enrolled in programs within the UNSW Business School cannot take General Education courses offered by the UNSW Business School (i.e. GENC code).

These restrictions also apply to the following courses:

- GENL2021  An Introduction to the Australian Legal System
- GENL2032  Cyberspace Law
any General Education course

**Maximum Level 1 UOC**

No more than 60 UOC (not including 12 UOC of General Education courses) in Level 1 courses will be counted towards the degree.

any level 1 course

**Minimum Information Systems and Business UOC**

Students must complete a minimum of 96 UOC of the following courses.

any course offered by UNSW Business School

any Information Systems course

**Level 2 and 3 Maturity Requirements**

Students must have completed 24 UOC before taking any Level 2 courses.
Students must have completed 48 UOC before taking any Level 3 courses.

**SAS Certification Requirements**

Students who have successfully completed these five courses at UNSW are eligible for receiving a joint certification issued by SAS and UNSW as a Business Analyst. For SAS JCP, INFS3603, INFS3830, and INFS3873 need to be completed at UNSW (Course substitutes and cross-institutional studies are not eligible for SAS JCP).

- INFS1603 Introduction to Business Databases (6 UOC)
- INFS2608 Database Management & Big Data Infrastructures (6 UOC)
- INFS3603 Introduction to Business Analytics (6 UOC)
- INFS3830 Social Media and Analytics (6 UOC)
- INFS3873 Business Analytics Methods (6 UOC)

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites...
for individual courses but not that a course will count towards your program requirements.
Related Programs

Related Double Degree Programs

Bachelor of Commerce - BCom
Bachelor of Information Systems - BIS
3584 Commerce / Information Systems

Faculty: UNSW Business School
Campus: Kensington
Units of Credit: 192
Typical Duration: 4 Years

Read More

Bachelor of Actuarial Studies - BActSt
Bachelor of Information Systems - BIS
3671 Actuarial Studies / Information Systems

Faculty: UNSW Business School
Campus: Kensington
Units of Credit: 192
Typical Duration: 4 Years

Read More
Admission Requirements

Special Admission Requirements

Additional selection criteria for admission to this program:

- Interview

If you anticipate that your ATAR is between 80.00 and 89.95 and you're keen to study this degree, you may be considered for entry under the Bachelor of Information Systems Admissions Scheme (BISAS) (see link in Additional Information below), which includes the ATAR, a review of performance in relevant HSC subjects, completion of a questionnaire and a Face-to-Face interview.

For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Program Requirements

Progression Requirements

Progression rules are in accordance with university policy.

For more information on university policy on progression requirements please visit Academic Progression.
Pathways

Honours Programs

Bachelor of Commerce (Honours) - BCom (Hons)

4501 Commerce (Honours)

Faculty: UNSW Business School
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years

Read More
Professional Outcomes

Professional Recognition
Graduates are eligible to apply for membership of various professional organisations according to the area of specialisation completed. For further information on professional recognition please contact UNSW Business School.
[https://www.business.unsw.edu.au/professionalrecognition/undergraduate]

Career Opportunities

Business analyst, e-commerce specialist, IS development specialist, IS/IT consultant, IT infrastructure developer, network analyst, network developer, project management specialist, systems analyst.

Note: Students who successfully complete INFS2608, INFS3603, INFS3830 and INFS3873 will be eligible for certification as a Business Analyst by SAS.
Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

Current Students Pass With Distinction
Additional Information

BIASAS

For further information on BIASAS, visit: business.unsw.edu.au/bisas

Further Information

Please note that these program requirements may be subject to change. Students are advised to follow requirements according to the year they commenced. Please refer to previous editions of the UNSW Online Handbook for your program requirements.

Contact the UNSW Business School Student Centre for advice.
tel: + 61 2 9385 3189
location: Level 1, room 1028, Quadrangle Building

Forms, policies and procedures
Frequently asked questions
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

- Domestic Students
- Commonwealth Supported Students
- International Students

Additional Expenses

No incremental change from existing program
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
© UNSW Sydney (CRICOS Provider No.: 00098G), 2019. The information contained in this Handbook is indicative only. While every effort is made to keep this information up-to-date, the University reserves the right to discontinue or vary arrangements, programs and courses at any time without notice and at its discretion. While the University will try to avoid or minimise any inconvenience, changes may also be made to programs, courses and staff after enrolment. The University may also set limits on the number of students in a course.

Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179